J. Chem. Ecol., 1976, Vol. 2, No. 4, pp. 487–488

AUTHOR INDEX TO VOLUME 2 (1976)

Albone, Eric S. **1**: 101; **2**: 167[1]
Amoore, John E. **1**: 49

Baker, T. C. **3**: 333
Barfield, Carl S. **4**: 431
Barras, S. J. **2**: 195
Baskin, Carol C. **4**: 441
Baskin, Jerry M. **4**: 441
Berger, D. **1**: 1
Bergström, Gunnar, **1**: 57
Beroza, Morton, **4**: 399
Billings, P.M. **4**: 411
Bracke, J.W. **2**: 195
Brand, J.M. **2**: 195
Britton, L.N. **2**: 195
Burghardt, G.M. **2**: 239
Burkholder, Wendell E. **3**: 285; **4**: 457
Byler, Russell C. **3**: 285; **3**: 457
Byrne, K. **3**: 307

Cardé, R.T. **3**: 333; **4**: 399
Cassidy, Robert F., Jr. **4**: 457
Chou, Chang-Hung, **3**: 353, 369
Clancy, Andrew, **2**: 231
Conner, William E. **4**: 421
Connert, J. **1**: 1
Coppel, H.C. **2**: 147; **3**: 299
Coster, J.E. **4**: 411
Coulson, P.B. **2**: 239
Cross, John H. **3**: 285; **4**: 457
Culvenor, Claude, C.J. **3**: 255, 263

Dabrowski, Z.T. **2**: 221
Doolittle, R.E. **1**: 73; **4**: 399
Dudzinski, M.L. **1**: 13

Edgar, John A. **3**: 255, 263
Edson, L.J. **4**: 411
Eisner, Hans E. **4**: 421
Eisner, Thomas, **4**: 421
Essenbreis, H. **1**: 1

Fitzgerald, T.D. **2**: 187
Flood, Peter F. **2**: 167
Forrester, L. Janet, **1**: 49
Fukami, Hiroshi, **4**: 449
Furman, Joseph M. **2**: 177

Gallagher, E.M. **2**: 187
Gambale, S. **1**: 13
Gehlhaus, J. **1**: 1
Gentry, C.R. **1**: 73
Gilmore, A.R. **4**: 469
Goodrich, B.S. **1**: 25
Goodwin, Michael, **2**: 231
Greenblatt, Richard E. **3**: 285; 4: 457
Gross, Harry R., Jr. **1**: 67

Hart, E.R. **4**: 411
Heath, R.R. **1**: 87
Hendry, L.B. **1**: 39; **3**: 271
Henson, Rodger D. **4**: 431
Hesterman, E.R. **1**: 13, 25
Hill, J.O. **2**: 239
Hindenland, D.M. **3**: 271
Howard, R. **2**: 147

Ikeda, T. **3**: 299
Ishii, Shoziro, **4**: 449

Johns, Bradford E. **2**: 177
Jones, Richard L. **1**: 67
Jones, Tappey H. **4**: 421

Kemp, T.R. **2**: 221
Kennelly, James J. **2**: 177
Korzeniowski, S.H. **3**: 271

[1] Numerals in boldface refer to issue within Volume 2; standard numerals to pagination.

Krauss, D. **1**: 1
Kuwahara, Yasumasa, **4**: 449

Levinson, A.R. **4**: 457
Levinson, H.Z. **4**: 457
Lewis, W.J. **1**: 67; **2**: 211
Lin, Hui-Jung, **3**: 353
Look, Melvin **1**: 83; **4**: 481

Markovetz, A.J. **2**: 195
Matsumura, F. **2**: 147; **3**: 299
McCarty, F.A. **4**: 411
McCullough, (Brother) Thomas, **2**: 201
McLaughlin, John R. **1**: 73
Meinwald, Jerrold, **4**: 421
Miller, James R. **2**: 115, 131
Mitchell, E.R. **1**: 73
Muetterties, Earl L. **2**: 177
Müller–Schwarze, C. **3**: 389
Müller–Schwarze, D. **3**: 389
Mumma, Ralph O. **2**: 115, 131
Mykytowycz, R. **1**: 13, 25

Nishida, Ritsuo, **4**: 449
Nishimoto, K. **3**: 299
Nordlund, Donald A. **1**: 67; **2**: 211

Patrick, Z.A. **3**: 369
Pavlik, E.J. **2**: 239
Payne, T.L. **4**: 411
Pearce, G.T. **3**: 307
Perry, G.C. **1**: 101
Pliske, Thomas E. **3**: 255, 263
Plummer, Ernest L. **2**: 201; **3**: 307
Preti, George, **2**: 177

Robacker, D.C. **1**: 39
Rodriguez, J.G. **2**: 221
Roelofs, W.L. **3**: 333; **4**: 399

Sato, Tetsuo, **4**: 449
Schildknecht, H. **1**: 1
Silverstein, Robert M. **2**: 201; **3**: 285, 307, 389; **4**: 457
Singer, A.G. **3**: 389
Smith, G.L., III, **3**: 239
Solomon, J.D. **4**: 399
Sonenshine, Daniel E. **2**: 201
Stewart, T.E. **3**: 397

Tengö, Jan, **1**: 57
Thiessen, Delbert D. **2**: 231
Tumlinson, J.H. **1**: 73, 87

Vinson, S. Bradleigh, **4**: 431
Volkman, N.J. **3**: 389
Walters, D.T. **4**: 469
Weaver, K.M. **1**: 39; **3**: 271
West, Janet R. **2**: 201
Wichmann, J.K. **3**: 271

J. Chem. Ecol., 1976, Vol. 2, No. 4, pp. 489–492

KEY WORD INDEX TO VOLUME 2 (1976)

Acid, volatile fatty, **1**: 101[1]
Adaption, metabolic, **4**: 441
Aeration, **4**: 458
Alkaloid(s), **3**: 255
  pyrrolizidine, **3**: 263
Allelopathy, **3**: 353, 370; **4**: 469
Allomone, **2**: 211
Amine(s), **1**: 49
  tertiary, **1**: 49
Anaerobiosis, **4**: 441
Anesthesia, **2**: 131
Announcement(s), **1**: 113
Annual, winter, **4**: 441
Anosmia, **1**: 49
  specific, **1**: 49
Anthonomus grandis, **4**: 431
Apneumone, **2**: 211
Argyotaenia velutinana, **3**: 333
Assay, **4**: 411
Attractant(s), **3**: 333
  feeding, **2**: 221
  sex, **4**: 458
  see also pheromone(s)
Autointoxication, **3**: 353

Beetle(s),
  bark, **2**: 195; **4**: 411
  Douglas fir, **4**: 481
  Khapra, **4**: 458
Behavior,
  calling, **3**: 285
  insect, **2**: 147
  male, **3**: 333
  mating, **3**: 285
  mite, **2**: 221
  ovipositor probing, **4**: 431
  parasitoid, **4**: 431
  rabbit, **1**: 25
  social, **2**: 231
Behavior, *cont.*
  trail-following, **2**: 187
Bioassay, **2**: 147
Blattella germanica, **4**: 449
Bracon mellitor, **4**: 431
endo-Brevicomin, **1**: 83

Cadaverine, **1**: 101
Canids, **2**: 177
Carbon source(s),
  influence of, **3**: 299
Cardiac responses, **1**: 25
Carotenoid(s), **2**: 167
Carpenterworm moth, **4**: 399
Catnip, **2**: 239
Centipede, geophilomorph, **4**: 421
Chemical,
  identification, **4**: 449
  isolation, **4**: 449
Chromatography,
  gas, **2**: 177
  high-pressure liquid, **4**: 481
1,8-Cineole, **1**: 1
Cockroach, German, **4**: 449
Coleoptera, **3**: 285; **4**: 458
Communication, chemical, **2**: 177, 211
Competition, **4**: 469
Confidence, territorial, **1**: 13
Control, biological, **1**: 67
Coptotermes formosans, **2**: 147
Costal fringe, **3**: 263
p-Coumaric acid, **3**: 353
Cyanide, **4**: 421
Cyanogenesis, **4**: 421

Dainainae, **3**: 255
Deer, black-tailed, **3**: 389

[1] Numerals in boldface refer to issue within Volume 2; standard numerals to pagination.

Defense(s),
chemical, **2**: 115, 131
secretion, **4**: 421
Dendroctonus, **4**: 411
Dendroctonus brevicomis, **1**: 83
Dendroctonus frontalis, **1**: 83; **2**: 195; **3**: 307
Dendroctonus pseudotsugae, **3**: 307: **4**: 481
Dermacentor andersoni, **2**: 201
Dermacentor variabilis, **2**: 201
Dermestidae, **3**: 285; **4**: 458
Deterrents, feeding, **2**: 221
2,6-Dichlorophenol, **2**: 201
Dodecyl acetate, **3**: 333
Dytiscidae, **2**: 115

Earworm, corn, **3**: 271
Ecology, chemical, **2**: 147, 211
Electroantennogram, **4**: 399
Enantiomeric composition, **3**: 307

Felines, **2**: 239
Fermentation, **1**: 101
Ferulic acid, **3**: 353
Fescue, **4**: 469
Festuca arundinacea, **4**: 469
Flooding, **4**: 441
Fluorescence, **2**: 167
Formulation(s),
controlled release, **4**: 481
Fox, red, **2**: 169
Fungus, mycangial, **2**: 195

Geophilus vittatus, **4**: 421
Gerbil, Mongolian, **2**: 231
Gland(s),
anal, **1**: 13, 25
chin, **1**: 13
Dufour, **1**: 57
Harderian, **2**: 231
inguinal, **1**: 13
Gland(s), *cont.*
pygidial defense, **1**: 1
sebaceous, **2**: 167
supracaudal, **2**: 167
Gleophyllum trabeum, **3**: 299
Gnathotrichus sulcatus, **3**: 307
Gyrinidae, **2**: 115, 131
Gyrinidal, **2**: 115
Gyrinidione, **2**: 115
Gyrinidone, **2**: 115

Heliothis zea, **3**: 271
Helophyte, **4**: 441
Hormone, **2**: 211
29 Hydroxy-3,11-dimethyl-2-nonacosanone, **4**: 449
(E)-4-Hydroxy-6-dodecenoic acid lactone, **3**: 389
(Z)-4-Hydroxy-6-dodecenoic acid lactone, **3**: 389
p-Hydroxybenzoic acid, **3**: 353
o-Hydroxyphenylacetic acid, **3**: 353
Hydroxysteroid dehydrogenase, **2**: 167

Inhibitor, **3**: 333
Insect(s),
cotton, **4**: 431
phytophagous, **3**: 271
Ips pini, Idaho, **3**: 307
Isomer(s),
geometric, **3**: 389
stereo-, **3**: 389
Ithomiinae, **3**: 255, 263
Itoplectis conquisitor (Say), **1**: 39

Kairomone(s), **1**: 67; **2**: 211; **3**: 271; **4**: 431

Leachate(s), plant, **4**: 469
Leafroller, redbanded, **3**: 333
Learning, **1**: 39

Leawenworthia uniflora, **4**: 441
Lepidoptera, **3**: 255
Liquidambar styraciflua, **4**: 469
Longevity, **1**: 67

Malacosoma americanum, **2**: 187
Mammal(s), **3**: 389
Mandelonitrile, **4**: 421
Melitta leporina, **1**: 57
Melitta haemorrhoidalis, **1**: 57
Meriones unguiculatus, **2**: 231
(E)-14-Methyl-8-hexadecenal, **3**: 285; **4**: 458
(Z)-14-Methyl-8-hexadecenal, **4**: 458
6-Methylhept-5-en-2-one, **1**: 1
Methyl *p*-hydroxybenzoate, **4**: 431
Microorganisms, **2**: 195
Mineral adsorption, **4**: 469
Minnow, **2**: 131
Mite(s),
  behavior, **2**: 221

Nomada flavopicta, **1**: 57
Norsesquiterpene(s) **2**: 115, 131

Octodecyl butyrate, **1**: 57
Odocoileus hemionus columbianus, **3**: 389
Odor(s), **1**: 49
  primary, **1**: 49
  rabbit, **1**: 13, 25
  thresholds, **1**: 49
  see also scent
Oil(s),
  essential, **2**: 221
Olfaction, **2**: 239
Olfactometer, **4**: 411
Olfactory discrimination, **3**: 389
Orgilus lepidus, **3**: 271
Oryctolagus cuniculus, **1**: 13, 25

Panthera leo, **1**: 101
Parasite(s), **1**: 67
Parasitoid(s), **3**: 271
Peachtree borer, **1**: 73
  lesser, **1**: 73
Phenolic acids, **3**: 370
Pheromone(s), **1**: 83; **2**: 195, 211, 231; **3**: 255, 285, 307, 389; **4**: 399
  aggregation, **4**: 411
  airborne, **3**: 285
  antiaggregation, **4**: 481
  disruption, **1**: 73
  insect, **1**: 87
  insect trapping, **1**: 73
  sex, **1**: 39; **2**: 201; **3**: 333; **4**: 449
  trail, **2**: 147, 187
  see also attractant
Phtorimaea operculella, **3**: 271
Phytotoxic activity, **3**: 370
Phytotoxin(s), **3**: 353, 370
Pimephales promelas, **2**: 131
Porapak-Q, **4**: 458
4-Pregnen-3-one, **2**: 115
Prionoxystus robiniae, **4**: 399
Productivity, **1**: 67
Profiling, metabolic, **2**: 177
Putrescine, **1**: 101
Pyrrolizidines, **3**: 255

Rabbit, **1**: 13, 25
Reagents, chiral shift, **3**: 307
Recognition, chemical, **1**: 101
Residues, decomposing, **3**: 370
  corn, **3**: 370
  rice, **3**: 353
  rye, **3**: 370
Resistance, strawberry, **2**: 221
Response, threshold, **2**: 239
Reticulitermes flavipes, **2**: 147
Reticulitermes tibialis, **2**: 147
Reticulitermes virginicus, **2**: 147
Rice, decomposing residues, **3**: 353

Sac(s),
anal, **1**: 101; **2**: 177
Sanninoidea exitiosa, **1**: 73
Scent, **2**: 167
tarsal, **3**: 389
see also pheromone
Scolytidae, **4**: 411
Scolytus multistriatus, **3**: 307
Sensitivity, **2**: 239
Sesiidae, **1**: 73
Seudenol, **3**: 307
Spectrometry, mass, **2**: 177
Spreading pressure, **1**: 1
Staphylinidae, **1**: 1
Stenus comma, **1**: 1
Stenusin, **1**: 1
Stereoisomer, **3**: 389
Steroid(s), **2**: 115, 131
Strawberry resistance, **2**: 221
Substance,
biosynthesis of, **3**: 299
chemical trail, **2**: 187
trail-following, **3**: 299
Sulcatol, **3**: 307
Surface-active agents, **1**: 1
Sweetgum growth, **4**: 469
Synanthedon pictipes, **1**: 73
Synergist, **3**: 333
Synomone, **2**: 211
Synthesis, **1**: 83

Technique(s),
gas chromatography, **2**: 177
high-pressure liquid chromatography, **4**: 481
Technique(s), *cont.*
mass spectrometry, **2**: 177
microspectroscopic, **1**: 87
Tent caterpillar, **2**: 187
Termite(s),
southern subterranean, **3**: 299
subterranean, **2**: 147
(*Z*,*E*)-3,5-Tetradecadien-1-ol acetate, **4**: 399
trans-11-Tetradecenyl acetate, **3**: 333
cis-11-Tetradecenyl acetate, **3**: 333
Tetranychus urticae, **2**: 221
Thermoregulation, **2**: 231
Tick(s),
dog, **2**: 201
Rocky Mountain wood, **2**: 201
Toxicity, **2**: 131
Trichogramma evanescens, **3**: 271
Trichogramma pretiosum, **1**: 67
Trimethylamine, **1**: 49
Trogoderma glabrum, **3**: 285; **4**: 458
Trogoderma granarium, **4**: 458
Trogoderma inclusum, **4**: 458
Trogoderma variabile, **4**: 458
Tuberworm, potato, **3**: 271

Urine, **1**: 13

Vanillic acid, **3**: 353
trans-Verbenol, **2**: 195; **3**: 307
Verbenone, **2**: 195
Vulpes vulpes, **1**: 101; **2**: 167

Weevil, boll, **4**: 431

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The *Journal of Chemical Ecology* is devoted to promoting an understanding of the interactions of organisms with their environment mediated by the chemicals they produce. Such relationships, often adaptively important, comprise the oldest of communication systems in terrestrial and aquatic environments. With recent advances in methodology for elucidating structures of the chemical compounds involved, a strong interdisciplinary association has developed between chemists and biologists which should accelerate understanding of these interactions in nature.

Papers offered for publication must be in English and may include original research and reviews in both the biological and chemical phases of chemical ecology. They may include substantive observations of interactions in nature, the elucidation of the chemical compounds involved, the mechanisms of their production and reception, and the translation of such basic information into survey and control protocols. Sufficient biological and chemical detail should be given to substantiate conclusions and to permit results to be evaluated and reproduced.

CONTENTS

Volume 2, Number 1 **January–March 1976**

Defense Chemistry of *Stenus comma* (Coleopatra: Staphylinidae). LXI. 1
H. SCHILDKNECHT, D. BERGER, D. KRAUSS, J. CONNERT, J. GEHLHAUS, and H. ESSENBREIS

A Comparison of the Effectiveness of the Odors of Rabbits, *Oryctolagus cuniculus*, in Enhancing Territorial Confidence 13
R. MYKYTOWYCZ, E.R. HESTERMAN, S. GAMBALE, and M.L. DUDZIŃSKI

Behavioral and Cardiac Responses of the Rabbit, *Oryctolagus cuniculus*, to Chemical Fractions from Anal Gland 25
E.R. HESTERMAN, B.S. GOODRICH, and R. MYKYTOWYCZ

Sexual Communication and Associative Learning in the Parasitic Wasp *Itoplectis conquisitor* (Say) 39
D.C. ROBACKER, K.M. WEAVER and L.B. HENDRY

Specific Anosmia to Trimethylamine: The Fishy Primary Odor 49
JOHN E. AMOORE and L. JANET FORRESTER

Odor Correspondence between *Melitta* Females and Males of Their Nest Parasite *Nomada flavopicta* K. (Hymenoptera: Apoidea) 57
JAN TENGÖ and GUNNAR BERGSTRÖM

Kairomones and Their Use for Management of Entomophagous Insects. IV. Effect of Kairomones on Productivity and Longevity of *Trichogramma pretiosum* Riley (Hymenoptera: Trichogrammatidae) 67
DONALD, A. NORDLUND, W.J. LEWIS, RICHARD L. JONES, and HARRY R. GROSS, JR.

Response to Pheromone Traps and Disruption of Pheromone Communication in the Lesser Peachtree Borer and the Peachtree Borer (Lepidoptera: Sesiidae) 73
JOHN R. MCLAUGHLIN, E.R. DOOLITTLE C.R. GENTRY, E.R. MITCHELL, and J.H. TUMLINSON

Improved Synthesis of *endo*-Brevicomin for the Control of Bark Beetles (Coleoptera: Scolytidae) 83
MELVIN LOOK

Structure Elucidation of Insect Pheromones by Microanalytical Methods 87
J.H. TUMLINSON and R.R. HEATH

Anal Sac Secretion of the Red Fox, *Vulpes vulpes*; Volatile Fatty Acids and Diamines: Implications for a Fermentation Hypothesis of Chemical Recognition 101
E.S. ALBONE and G.C. PERRY
Announcement 113

Volume 2, Number 2 **April–June 1976**

Physiological Activity of Water Beetle Defensive Agents. I. Toxicity and Anesthetic Activity of Steroids and Norsesquiterpenes Administered in Solution to the Minnow *Pimephales promelas* Raf. 115
JAMES R. MILLER and RALPH O. MUMMA
Physiological Activity of Water Beetle Defensive Agents. II. Absorption of Selected Anesthetic Steroids and Norsesquiterpenes Across Gill Membranes of the Minnow *Pimephales promelas* Raf. 131
JAMES R. MILLER and RALPH O. MUMMA
Trail-Following Pheromones of the Rhinotermitidae: Approaches to Their Authentication and Specificity 147
R. HOWARD, F. MATSUMURA, and H.C. COPPEL
The Supracaudal Scent Gland of the Red Fox, *Vulpes vulpes* 167
ERIC S. ALBONE and PETER F. FLOOD
Volatile Constituents of Dog (*Canis familiaris*) and Coyote (*Canis latrans*) Anal Sacs 177
GEORGE PRETI, EARL L. MUETTERTIES, JOSEPH M. FURMAN, JAMES J. KENNELLY, and BRADFORD E. JOHNS
A Chemical Trail Factor from the Silk of the Eastern Tent Caterpillar *Malacosoma americanum* (Lepidoptera: Lasiocampidae) 187
T.D. FITZGERALD and E.M. GALLAGHER
Bark Beetle Pheromones: Production of Verbenone by a Mycangial Fungus of *Dendroctonus frontalis* 195
J.M. BRAND, J.W. BRACKE, L.N. BRITTON, A.J. MARKOVETZ, and S.J. BARRAS
2,6-Dichlorophenol, the Sex Pheromone of the Rocky Mountain Wood Tick, *Dermacentor andersoni* Stiles and the American Dog Tick, *Dermacentor variabilis* (Say) 201
DANIEL E. SONENSHINE, ROBERT M. SILVERSTEIN, ERNEST PLUMMER, JANET R. WEST, and (BROTHER) THOMAS MCCULLOUGH
Terminology of Chemical Releasing Stimuli in Intraspecific and Interspecific Interactions 211
DONALD A. NORDLUND and W.J. LEWIS

Behaviour of *Tetranychus urticae* Toward Essential Oil Mixtures from Strawberry Foliage 221
J.G. RODRIGUEZ, T.R. KEMP, and Z.T. DABROWSKI
Harderian Gland Pheromone in the Mongolian Gerbil *Meriones unguiculatus* 231
DELBERT D. THIESSEN, ANDREW CLANCY, and MICHAEL GOODWIN
Species-Characteristic Responses to Catnip by Undomesticated Felids 239
J.O. HILL, E.J. PAVLIK, G.L. SMITH, III, G.M. BURGHARDT, and P.B. COULSON

Volume 2, Number 3 **July–September 1976**

The Chemical Basis of Attraction of Ithomiine Butterflies to Plants Containing Pyrrolizidine Alkaloids 255
THOMAS E. PLISKE, JOHN A. EDGAR, and CLAUDE C.J. CULVENOR
Isolation of a Lactone, Structurally Related to the Esterifying Acids of Pyrrolizidine Alkaloids, from the Costal Fringes of Male Ithomiinae 263
JOHN A. EDGAR, CLAUDE C.J. CULVENOR, and THOMAS E. PLISKE
Plants—The Origin of Kairomones Utilized by Parasitoids of Phytophagous Insects? 271
L.B. HENDRY, J.K. WICHMANN, D.M. HINDENLANG, K.M. WEAVER, and S.H. KORZENIOWSKI
Chemical Communication in the Mating Behavior of *Trogoderma glabrum* (Herbst) (Coleoptera: Dermestidae) 285
RICHARD E. GREENBLATT, WENDELL E. BURKHOLDER, JOHN C. CROSS, RUSSELL C. BYLER, and ROBERT M. SILVERSTEIN
Influence of Carbon Sources on the Production of the Termite Trail-Following Substance by *Gloeophyllum trabeum* 299
F. MATSUMURA, K. NISHIMOTO, T. IKEDA, and H.C. COPPEL
Determination of the Enantiomeric Composition of Several Insect Pheromone Alcohols 307
E.L. PLUMMER, T.E. STEWART, K. BYRNE, G.T. PEARCE, and R.M. SILVERSTEIN
Behavioral Responses of Male *Argyrotaenia velutinana* (Lepidoptera: Tortricidae) to Components of Its Sex Pheromone 333
T.C. BAKER, R.T. CARDÉ, and W.L. ROELOFS
Autointoxication Mechanisms of *Oryza sativa*. I. Phytotoxic Effects of Decomposing Rice Residues in Soil 353
CHANG-HUNG CHOU and HUI-JUNG LIN

Identification and Phytotoxic Activity of Compounds Produced during Decomposition of Corn and Rye Residues in Soil 369
CHANG-HUNG CHOU and Z.A. PATRICK
Response to a Mammalian Pheromone and its Geometric Isomer 389
D. MÜLLER-SCHWARZE, R.M. SILVERSTEIN, C. MÜLLER-SCHWARZE, A.G. SINGER, and N.J. VOLKMAN

Volume 2, Number 4 **October–December 1976**

(*Z,E*)-3,5-Tetradecadien-l-ol Acetate, Sex Attractant for the Carpenterworm Moth, *Prionoxystus robiniae* (Peck) (Lepidoptera: Cossidae) 399
R.E. DOOLITTLE, W.L. ROELOFS, J.D. SOLOMON, R.T. CARDÉ, and MORTON BEROZA
Olfactometer for Assay of Behavioral Chemicals for the Southern Pine Beetle, *Dendroctonus frontalis* (Coleoptera: Scolytidae) 411
T.L. PAYNE, E.R. HART, L.J. EDSON, F.A. MCCARTY, P.M. BILLINGS, and J.E. COSTER
Benzoyl Cyanide and Mandelonitrile in the Cyanogenetic Secretion of a Centipede 421
TAPPEY H. JONES, WILLIAM E. CONNER, JERROLD MEINWALD, HANS E. EISNER, and THOMAS EISNER
Ovipositional Behavior of *Bracon mellitor* Say (Hymenoptera: Braconidae), a Parasitoid of Boll Weevil (*Anthomomus grandis* Boh.). I. Isolation and Identification of a Synthetic Releaser of Ovipositor Probing 431
S. BRADLEIGH VINSON, RODGER D. HENSON, and CARL S. BARFIELD
Evidence for Metabolic Adaptation to Flooding in *Leavenworthia uniflora* 441
JERRY M. BASKIN and CAROL C. BASKIN
Female Sex Pheromone of the German Cockroach, *Blatella germanica* (L.) (Orthoptera:Blattellidae), Responsible for Male Wing-raising: II. 29-Hydroxy-3,11-dimethyl-2-nonacosanone 449
RITSUO NISHIDA, TETSUO SATO, YASUMASA KUWAHARA, HIROSHI FUKAMI, and SHOZIRO ISHII
Porapak-Q Collection of Pheromone Components and Isolation of (Z)- and (*E*)-14-methyl-8-hexadecenal, Sex Pheromone Components, from the Females of Four Species of *Trogoderma* (Coleoptera:Dermestidae) 457
JOHN H. CROSS, RUSSELL C. BYLER, ROBERT F. CASSIDY, JR.,

ROBERT M. SILVERSTEIN, RICHARD E. GREENBLATT, WENDELL E. BURKHOLDER, A.R. LEVINSON, and H.Z. LEVINSON
Allelopathic Effects of Fescue on the Growth of Sweetgum 469
D.T. WALTERS and A.R. GILMORE
Determining Release Rates of 3-methyl-2-cyclohexen-1-one Anti-aggregation Pheromone of *Dendroctonus pseudotsugae* (Coleoptera:Scolytidae) 481
MELVIN LOOK

Author Index to Volume 2 487
Key Word Index to Volume 2 489